

**LEVELS OF WALKING ABILITY OF PATIENTS WITH  
SPINAL CORD INJURY AS DETERMINED  
BY USING 3 FUNCTIONAL TESTS**

**MR. PUTTIPONG PONCUMHAK**

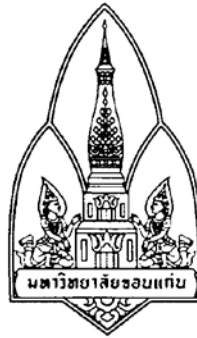
**A THESIS FOR THE DEGREE OF MASTER OF SCIENCE  
KHON KAEN UNIVERSITY**

**2012**

**LEVELS OF WALKING ABILITY OF PATIENTS WITH  
SPINAL CORD INJURY AS DETERMINED  
BY USING 3 FUNCTIONAL TESTS**

**MR. PUTTIPONG PONCUMHAK**

**A THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF MASTER OF SCIENCE  
IN PHYSICAL THERAPY  
GRADUATE SCHOOL KHON KAEN UNIVERSITY  
2012**



THESIS APPROVAL  
KHON KAEN UNIVERSITY  
FOR  
MASTER OF SCIENCE  
IN PHYSICAL THERAPY


**Thesis title:** Levels of walking ability of patients with spinal cord injury as determined by using 3 functional tests

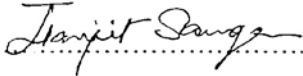
**Author:** Mr. Puttipong Poncumhak

**Thesis Examination committee**

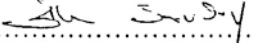
Dr. Patcharee Kooncumchoo	Chairperson
Dr. Lugkana mato	Member
Asst. Prof. Dr. Wantana Siritaratiwat	Member
Assoc. Prof. Dr. Sugalya Amatachaya	Member
Assoc. Prof. Dr. Jiamjit Saengsuwan	Member
Dr. Pattra Wattanapan	Member

**Thesis Advisors:** ..... Advisor



  
(Assoc. Prof. Dr. Sugalya Amatachaya)

  
..... Co-advisor

(Assoc. Prof. Dr. Jiamjit Saengsuwan)

  
..... Co-advisor

(Dr. Pattra Wattanapan)

  
.....  
(Assoc. Prof. Dr. Lampang Manmart)        
.....  
(Assoc. Prof. Dr. Kriengkrai Kitcharoen)  
Dean, Graduate School      Dean, Faculty of Associated Medical Sciences